

Title (en)

Sealing device for a flap track in a belly fairing of an aircraft for a flap-actuating shaft

Title (de)

Dichtvorrichtung für den Rumpfdurchtritt einer Betätigungsachse einer Klappenführung

Title (fr)

Joint pour un axe actionnant un volet hypersustentateur

Publication

EP 1676773 A1 20060705 (EN)

Application

EP 05078055 A 20051228

Priority

ES 200500028 A 20041231

Abstract (en)

Sealing device for the flap track for the flap-actuating shaft, in the belly fairing of an aircraft, with a top hollow body 1 and a bottom hollow body 7 which are flexibly compressible, each comprising at least one interior chamber 2, 8 with open sides 2a, 2b, a wall 3, 9 with respective external contact surfaces 3a which are in flexible contact with each other, the outer surfaces 4a, 10a of the front walls 4, 10 of the hollow bodies 1, 7 jointly forming an outer sealing surface 11 which covers the flap track 19, said hollow bodies 1,7 having jointly a vertical compression flexibility such that the contact surfaces 3a, 9a retract around the actuating shaft 20, the interior chambers 2, 8 extending between the front walls 4, 10 and rear walls 5, 11 of the hollow bodies 2, 7.

IPC 8 full level

B64C 9/02 (2006.01); **F16J 15/50** (2006.01)

CPC (source: EP ES US)

B64C 9/02 (2013.01 - EP ES US)

Citation (applicant)

GB 1508788 A 19780426 - PITCRAFT LTD

Citation (search report)

- [X] GB 1508788 A 19780426 - PITCRAFT LTD
- [A] US 3917194 A 19751104 - MULLER GUNTHER
- [A] DE 2011345 A1 19710923
- [A] US 3480237 A 19691125 - APPLEBY JAMES KENNETH

Cited by

BE1024611B1; US9004404B2; US2009184208A1; US9394997B2; WO2018138034A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1676773 A1 20060705; **EP 1676773 B1 20101110**; AT E487658 T1 20101115; BR PI0600154 A 20060919; BR PI0600154 B1 20181226; CA 2531700 A1 20060630; CA 2531700 C 20120110; DE 602005024658 D1 20101223; EA 009543 B1 20080228; EA 200501933 A2 20060825; EA 200501933 A3 20061229; ES 2310059 A1 20081216; ES 2310059 B1 20091111; US 2006145013 A1 20060706; US 7422177 B2 20080909

DOCDB simple family (application)

EP 05078055 A 20051228; AT 05078055 T 20051228; BR PI0600154 A 20060102; CA 2531700 A 20051229; DE 602005024658 T 20051228; EA 200501933 A 20051230; ES 200500028 A 20041231; US 32329105 A 20051230